BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Road and Footpath at Hegadenagara in ward No.06, Byatarayanapura Sub Division

									Estimate Cost Rs.	1500000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount	
1	KSRRB 300-1. Earth work excavation by manual means in ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.1/ PWD SR 2016-17	cum								
	Desilting of Drain									
	Hegadeangara Main Road Near Indira Canteen		1	163.00	0.45	0.40	29.34			
	For Kerb		2	163.00	0.25	0.30	24.45			
	For Road Divider to Shabariangara main Raod		2	30.00	0.30	0.30	5.40			
							59.19	86.92	**5145.00**	
	Basic Rate	82.00								
	Area Weightage @ 6%	4.92								
	Total	**86.92**								
2	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17	**Cum**								
	For Kerb Stone Bottom		2	163.00	0.25	0.15	12.23			
	Cable Stone Bottom Indira Canteen Fornt		1	20.00	6.00	0.15	18.00			
	For Footpath		1	163.00	1.00	0.15	24.45			
	For Road Divider to Shabariangara main Raod		2	30.00	0.30	0.15	2.70			
							57.38	5159.02	**295999.00**	
	Basic Rate	4867.00								
	Area Weightage @ 6%	292.02								
	Total	**5159.02**								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2016-17	cum							
	Hegadeangara Main Road Near Indira Canteen		1X2	163.00	0.15	0.10	4.89		
	For Vent Concrete for Drain		1	163.00	0.45	0.15	11.00		
							15.89	5598.92	**88981.00**
	Basic Rate	5282.00							
	Area Weightage @ 6%	316.92							
	Total	**5598.92**							
4	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2016-17	Sqm							
	For Road Divider to Shabariangara main Raod		2X2	30.00	0.45		54.00		
							54.00	**271.36**	**14653.00**
	Basic Rate	**256.00**							
	Area Weightage @ 6%	15.36							
	Total	**271.36**							
5	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	For Road Divider to Shabariangara main Raod		2	30.00	0.30	0.45	8.10		
							8.10	6371.66	**51610.00**
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	**6371.66**							
6	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR	**Qtl**							
	0.80Ton/Cum		0.100	8.10			**0.81**	64243.42	**52037.00**
	Basic Rate	60607.00							
	Area Weightage @ 6%	3636.42							
	Total	**64243.42**							
7	5.29(b) Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. Page No. 25/ Item No. 5.30/ PWD SR 2016-17	Sqm							
	Hegadeangara Main Road Near Indira Canteen		2	163.00			326.00		
					l e 200/0.45		326.00		
							724.44	331.78	**240356.00**
	Basic Rate	313.00							
	Area Weightage @ 6%	18.78							
	Total	**331.78**							
8	KSRB 15-17.5: Applying **priming coat** over new wood surface and / or wood based surface preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. Page No. 118/ Item No. 15.59 / PWD SR 2016-17	**Sqm**							
	Kerb Stone Painting		2	163.00		0.30	**97.80**		
							97.80	**43.46**	**4250.00**
	Basic Rate	41.00							
	Area Weightage @ 6%	2.46							
	Total	**43.46**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with **enamel paint** to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.Page No. 119/ Item No. 15.60.1 / PWD SR 2016-17								
	Hegadeangara Main Road Near Indira Canteen		2	163.00		0.30	97.80		
							97.80	**89.04**	**8708.00**
	Basic Rate	84.00							
	Area Weightage @ 6%	5.04							
	Total	**89.04**							
10	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm							
	Hegadeangara Main Road Near Indira Canteen		1	163.00	0.90		146.70		
							146.70	2100.00	**308070.00**
	Data Rate	**1856.67**							
11	KSRB 14.6-1 : Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications.-do- heavy duty cobble stones 75mm thick, Page No.108/ Item No. 14.7 / PWD SR 2016-17	**Sqm**							
	For Indra Canteen Front		1	20.00	6.00		120.00		
	For Footpath		1	163.00	1.00		163.00		
							283.00	972.02	**275082.00**
	Basic Rate	917.00							
	Area Weightage @ 6%	55.02							
	Total	**972.02**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				59.19		
							59.19	73.12	4328.00
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2015-16 (P.118/I.17.1) For loading	68.00							
	Total	**73.12**							
							Grand Total		1349219.00
13	For 10% KRIDL Charges								134922.00
14	For 1% Labour Cess								13492.00
15	Miscesallaneous Charges	L/S							2367.00
									1500000.00
			#NAME?						

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 06(Thanisandra)

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

ADMINISTRATIVE APPROVAL

Accorded For Rs. Fifteen lakhs only

Head of A/c. P-3296

Div. Ref. No. 22/18-19 Date 7/06/18

AE 7/06 EE(BTP) 7/06

TECHNICAL SANCTION

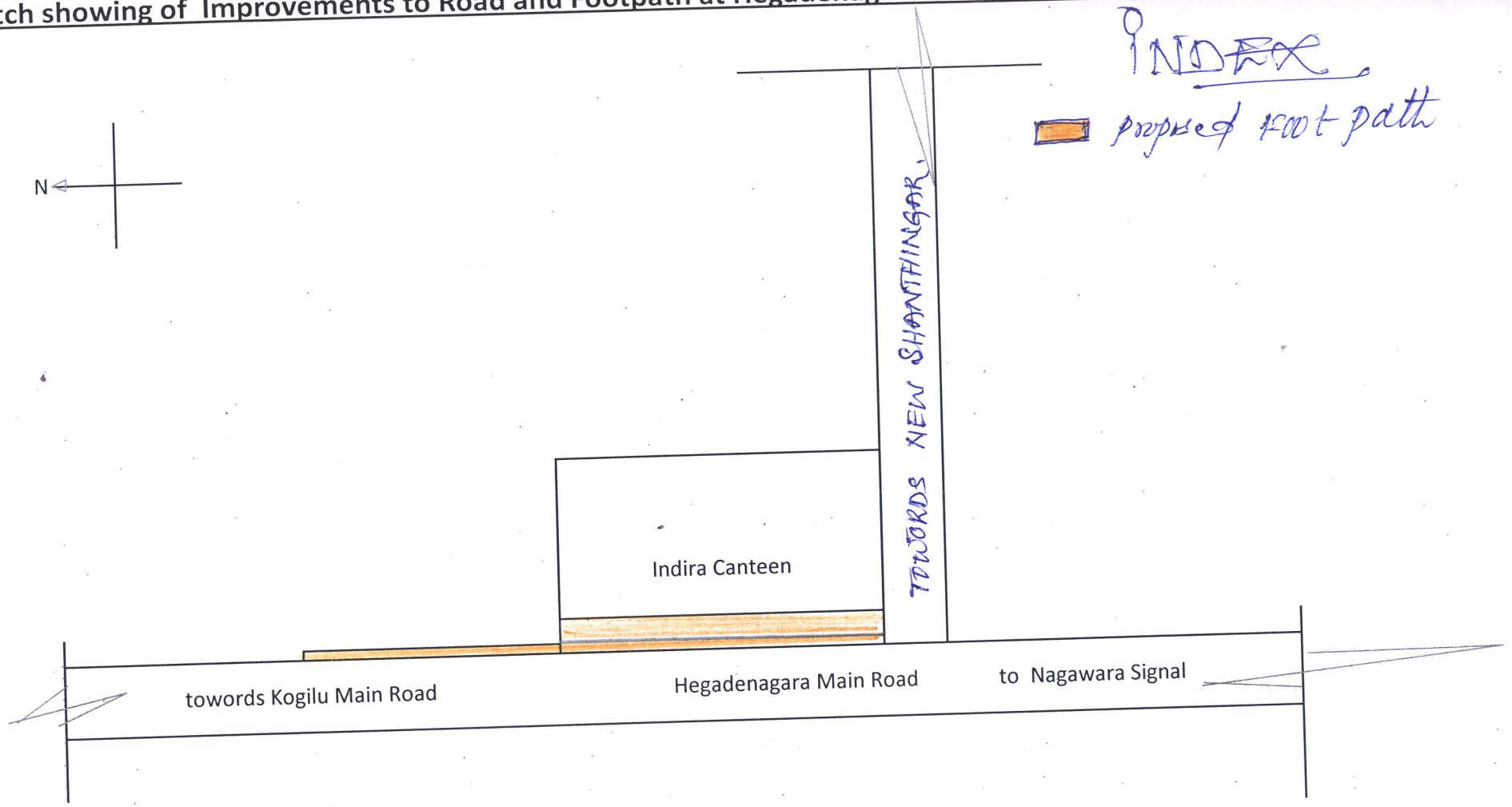
Accorded For Rs. Fifteen lakhs only

Head of A/c. P-3296

Div. Ref. No. 25/18-19 Date 7/06/18

AE 7/06 EE(BTP) 7/06

Sketch showing of Improvements to Road and Footpath at Hegadenagara in ward No.06, Byatarayanapura Sub Division



Assistant Engineer
Ward no.06 (Thanisandra)

Assistant Executive Engineer
Byatarayanapura Sub Division